

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/562,735
Source: IFWP
Date Processed by STIC: 1/10/06

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IFWP

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/562,735

DATE: 01/10/2006

TIME: 08:54:21

Input Set : A:\2488033-SEQ.txt

Output Set: N:\CRF4\01102006\J562735.raw

3 <110> APPLICANT: MANDELBOIM, Ofer
 4 PORGADOR, Angel

6 <120> TITLE OF INVENTION: FRAGMENTS OF NKp44 AND NKp46 FOR TARGETING VIRAL-INFECTED

AND

7 TUMOR CELLS

9 <130> FILE REFERENCE: 2488.033

C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/562,735

C--> 11 <141> CURRENT FILING DATE: 2005-12-29

11 <150> PRIOR APPLICATION NUMBER: PCT/IL2004/000583

12 <151> PRIOR FILING DATE: 2004-06-30

14 <150> PRIOR APPLICATION NUMBER: US 60/483,107

15 <151> PRIOR FILING DATE: 2003-06-30

17 <160> NUMBER OF SEQ ID NOS: 21

19 <170> SOFTWARE: PatentIn version 3.3

21 <210> SEQ ID NO: 1

22 <211> LENGTH: 304

23 <212> TYPE: PRT

24 <213> ORGANISM: Homo sapiens

26 <300> PUBLICATION INFORMATION:

27 <308> DATABASE ACCESSION NO: CAA04714

28 <309> DATABASE ENTRY DATE: 1998-09-22

29 <313> RELEVANT RESIDUES: (1)..(304)

31 <400> SEQUENCE: 1

33 Met Ser Ser Thr Leu Pro Ala Leu Leu Cys Val Gly Leu Cys Leu Ser

34 1 5 10 15

37 Gln Arg Ile Ser Ala Gln Gln Gln Thr Leu Pro Lys Pro Phe Ile Trp

38 20 25 30

41 Ala Glu Pro His Phe Met Val Pro Lys Glu Lys Gln Val Thr Ile Cys

42 35 40 45

45 Cys Gln Gly Asn Tyr Gly Ala Val Glu Tyr Gln Leu His Phe Glu Gly

46 50 55 60

49 Ser Leu Phe Ala Val Asp Arg Pro Lys Pro Pro Glu Arg Ile Asn Lys

50 65 70 75 80

53 Val Lys Phe Tyr Ile Pro Asp Met Asn Ser Arg Met Ala Gly Gln Tyr

54 85 90 95

57 Ser Cys Ile Tyr Arg Val Gly Glu Leu Trp Ser Glu Pro Ser Asn Leu

58 100 105 110

61 Leu Asp Leu Val Val Thr Glu Met Tyr Asp Thr Pro Thr Leu Ser Val

62 115 120 125

65 His Pro Gly Pro Glu Val Ile Ser Gly Glu Lys Val Thr Phe Tyr Cys

66 130 135 140

69 Arg Leu Asp Thr Ala Thr Ser Met Phe Leu Leu Leu Lys Glu Gly Arg

70 145 150 155 160

73 Ser Ser His Val Gln Arg Gly Tyr Gly Lys Val Gln Ala Glu Phe Pro

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74 165 170 175
 77 Leu Gly Pro Val Thr Thr Ala His Arg Gly Thr Tyr Arg Cys Phe Gly
 78 180 185 190
 81 Ser Tyr Asn Asn His Ala Trp Ser Phe Pro Ser Glu Pro Val Lys Leu
 82 195 200 205
 85 Leu Val Thr Gly Asp Ile Glu Asn Thr Ser Leu Ala Pro Glu Asp Pro
 86 210 215 220
 89 Thr Phe Pro Ala Asp Thr Trp Gly Thr Tyr Leu Leu Thr Thr Glu Thr
 90 225 230 235 240
 93 Gly Leu Gln Lys Asp His Ala Leu Trp Asp His Thr Ala Gln Asn Leu
 94 245 250 255
 97 Leu Arg Met Gly Leu Ala Phe Leu Val Leu Val Ala Leu Val Trp Phe
 98 260 265 270
 101 Leu Val Glu Asp Trp Leu Ser Arg Lys Arg Thr Arg Glu Arg Ala Ser
 102 275 280 285
 105 Arg Ala Ser Thr Trp Glu Gly Arg Arg Arg Leu Asn Thr Gln Thr Leu
 106 290 295 300
 109 <210> SEQ ID NO: 2
 110 <211> LENGTH: 134
 111 <212> TYPE: PRT
 112 <213> ORGANISM: Homo sapiens
 115 <220> FEATURE:
 116 <221> NAME/KEY: PEPTIDE
 117 <222> LOCATION: (1)..(134)
 118 <223> OTHER INFORMATION: Residues 121-254 of SEQ ID NO:1
 120 <400> SEQUENCE: 2
 122 Tyr Asp Thr Pro Thr Leu Ser Val His Pro Gly Pro Glu Val Ile Ser
 123 1 5 10 15
 126 Gly Glu Lys Val Thr Phe Tyr Cys Arg Leu Asp Thr Ala Thr Ser Met
 127 20 25 30
 130 Phe Leu Leu Lys Glu Gly Arg Ser Ser His Val Gln Arg Gly Tyr
 131 35 40 45
 134 Gly Lys Val Gln Ala Glu Phe Pro Leu Gly Pro Val Thr Thr Ala His
 135 50 55 60
 138 Arg Gly Thr Tyr Arg Cys Phe Gly Ser Tyr Asn Asn His Ala Trp Ser
 139 65 70 75 80
 142 Phe Pro Ser Glu Pro Val Lys Leu Leu Val Thr Gly Asp Ile Glu Asn
 143 85 90 95
 146 Thr Ser Leu Ala Pro Glu Asp Pro Thr Phe Pro Ala Asp Thr Trp Gly
 147 100 105 110
 150 Thr Tyr Leu Leu Thr Thr Glu Thr Gly Leu Gln Lys Asp His Ala Leu
 151 115 120 125
 154 Trp Asp His Thr Ala Gln
 155 130
 158 <210> SEQ ID NO: 3
 159 <211> LENGTH: 40
 160 <212> TYPE: PRT
 161 <213> ORGANISM: Homo sapiens
 164 <220> FEATURE:

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Input Set : A:\2488033-SEQ.txt
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165 <221> NAME/KEY: PEPTIDE
166 <222> LOCATION: (1)..(40)
167 <223> OTHER INFORMATION: Residues 215 to 254 of SEQ ID NO:1.
169 <400> SEQUENCE: 3
171 Glu Asn Thr Ser Leu Ala Pro Glu Asp Pro Thr Phe Pro Ala Asp Thr
172 1 5 10 15
175 Trp Gly Thr Tyr Leu Leu Thr Thr Glu Thr Gly Leu Gln Lys Asp His
176 20 25 30
179 Ala Leu Trp Asp His Thr Ala Gln
180 35 40
183 <210> SEQ ID NO: 4
184 <211> LENGTH: 258
185 <212> TYPE: PRT
186 <213> ORGANISM: Homo sapiens
188 <300> PUBLICATION INFORMATION:
189 <308> DATABASE ACCESSION NO: CAC09453
190 <309> DATABASE ENTRY DATE: 2005-05-18
191 <313> RELEVANT RESIDUES: (1)..(258)
193 <400> SEQUENCE: 4
195 Met Ala Trp Arg Ala Leu His Pro Leu Leu Leu Leu Leu Phe
196 1 5 10 15
199 Pro Gly Ser Gln Ala Gln Ser Lys Ala Gln Val Leu Gln Ser Val Ala
200 20 25 30
203 Gly Gln Thr Leu Thr Val Arg Cys Gln Tyr Pro Pro Thr Gly Ser Leu
204 35 40 45
207 Tyr Glu Lys Lys Gly Trp Cys Lys Glu Ala Ser Ala Leu Val Cys Ile
208 50 55 60
211 Arg Leu Val Thr Ser Ser Lys Pro Arg Thr Met Ala Trp Thr Ser Arg
212 65 70 75 80
215 Phe Thr Ile Trp Asp Asp Pro Asp Ala Gly Phe Phe Thr Val Thr Met
216 85 90 95
219 Thr Asp Leu Arg Glu Glu Asp Ser Gly His Tyr Trp Cys Arg Ile Tyr
220 100 105 110
223 Arg Pro Ser Asp Asn Ser Val Ser Lys Ser Val Arg Phe Tyr Leu Val
224 115 120 125
227 Val Ser Pro Ala Ser Ala Ser Thr Gln Thr Ser Trp Thr Pro Arg Asp
228 130 135 140
231 Leu Val Ser Ser Gln Thr Gln Thr Gln Ser Cys Val Pro Pro Thr Ala
232 145 150 155 160
235 Gly Ala Arg Gln Ala Pro Glu Ser Pro Ser Thr Ile Pro Val Pro Ser
236 165 170 175
239 Gln Pro Gln Asn Ser Thr Leu Arg Pro Gly Pro Ala Ala Pro Ile Ala
240 180 185 190
243 Leu Val Pro Val Phe Cys Gly Leu Leu Val Ala Lys Ser Leu Val Leu
244 195 200 205
247 Ser Ala Leu Leu Val Trp Trp Val Leu Arg Asn Arg His Met Gln His
248 210 215 220
251 Gln Gly Arg Ser Leu Leu His Pro Ala Gln Pro Arg Pro Gln Ala His
252 225 230 235 240

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255 Arg His Phe Pro Leu Ser His Arg Ala Pro Gly Gly Thr Tyr Gly Gly
256 245 250 255
259 Lys Pro
263 <210> SEQ ID NO: 5
264 <211> LENGTH: 114
265 <212> TYPE: PRT
266 <213> ORGANISM: Homo sapiens
269 <220> FEATURE:
270 <221> NAME/KEY: PEPTIDE
271 <222> LOCATION: (1)..(114)
272 <223> OTHER INFORMATION: residues 22-134 of SEQ ID NO:4
274 <400> SEQUENCE: 5
276 Gln Ser Lys Ala Gln Val Leu Gln Ser Val Ala Gly Gln Thr Leu Thr
277 1 5 10 15
280 Val Arg Cys Gln Tyr Pro Pro Thr Gly Ser Leu Tyr Glu Lys Lys Gly
281 20 25 30
284 Trp Cys Lys Glu Ala Ser Ala Leu Val Cys Ile Arg Leu Val Thr Ser
285 35 40 45
288 Ser Lys Pro Arg Thr Met Ala Trp Thr Ser Arg Phe Thr Ile Trp Asp
289 50 55 60
292 Asp Pro Asp Ala Gly Phe Phe Thr Val Thr Met Thr Asp Leu Arg Glu
293 65 70 75 80
296 Glu Asp Ser Gly His Tyr Trp Cys Arg Ile Tyr Arg Pro Ser Asp Asn
297 85 90 95
300 Ser Val Ser Lys Ser Val Arg Phe Tyr Leu Val Val Ser Pro Ala Ser
301 100 105 110
304 Ala Ser
308 <210> SEQ ID NO: 6
309 <211> LENGTH: 55
310 <212> TYPE: PRT
311 <213> ORGANISM: Homo sapiens
314 <220> FEATURE:
315 <221> NAME/KEY: PEPTIDE
316 <222> LOCATION: (1)..(55)
317 <223> OTHER INFORMATION: residues 136-190 from SEQ ID NO:4
319 <400> SEQUENCE: 6
321 Thr Gln Thr Ser Trp Thr Pro Arg Asp Leu Val Ser Ser Gln Thr Gln
322 1 5 10 15
325 Thr Gln Ser Cys Val Pro Pro Thr Ala Gly Ala Arg Gln Ala Pro Glu
326 20 25 30
329 Ser Pro Ser Thr Ile Pro Val Pro Ser Gln Pro Gln Asn Ser Thr Leu
330 35 40 45
333 Arg Pro Gly Pro Ala Ala Pro
334 50 55
337 <210> SEQ ID NO: 7
338 <211> LENGTH: 61
339 <212> TYPE: PRT
340 <213> ORGANISM: Homo sapiens
343 <220> FEATURE:

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PATENT APPLICATION: US/10/562,735

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Input Set : A:\2488033-SEQ.txt
Output Set: N:\CRF4\01102006\J562735.raw

344 <221> NAME/KEY: PEPTIDE
345 <222> LOCATION: (1)..(61)
346 <223> OTHER INFORMATION: residues 109-169 of SEQ ID NO:4.
348 <400> SEQUENCE: 7
350 Ser Pro Ala Ser Ala Ser Thr Gln Thr Ser Trp Thr Pro Arg Asp Leu
351 1 5 10 15
354 Val Ser Ser Gln Thr Gln Thr Gln Ser Cys Val Pro Pro Thr Ala Gly
355 20 25 30
358 Ala Arg Gln Ala Pro Glu Ser Pro Ser Thr Ile Pro Val Pro Ser Gln
359 35 40 45
362 Pro Gln Asn Ser Thr Leu Arg Pro Gly Pro Ala Ala Pro
363 50 55 60
366 <210> SEQ ID NO: 8
367 <211> LENGTH: 99
368 <212> TYPE: PRT
369 <213> ORGANISM: Homo sapiens
372 <220> FEATURE:
373 <221> NAME/KEY: PEPTIDE
374 <222> LOCATION: (1)..(99)
375 <223> OTHER INFORMATION: residues 22-120 of SEQ ID NO:1 refered to as D1 domain
377 <400> SEQUENCE: 8
379 Gln Gln Gln Thr Leu Pro Lys Pro Phe Ile Trp Ala Glu Pro His Phe
380 1 5 10 15
383 Met Val Pro Lys Glu Lys Gln Val Thr Ile Cys Cys Gln Gly Asn Tyr
384 20 25 30
387 Gly Ala Val Glu Tyr Gln Leu His Phe Glu Gly Ser Leu Phe Ala Val
388 35 40 45
391 Asp Arg Pro Lys Pro Pro Glu Arg Ile Asn Lys Val Lys Phe Tyr Ile
392 50 55 60
395 Pro Asp Met Asn Ser Arg Met Ala Gly Gln Tyr Ser Cys Ile Tyr Arg
396 65 70 75 80
399 Val Gly Glu Leu Trp Ser Glu Pro Ser Asn Leu Leu Asp Leu Val Val
400 85 90 95
403 Thr Glu Met
407 <210> SEQ ID NO: 9
408 <211> LENGTH: 30
409 <212> TYPE: DNA
410 <213> ORGANISM: Artificial
412 <220> FEATURE:
413 <223> OTHER INFORMATION: primer derived from human NKp44 nucleotide sequence
416 <220> FEATURE:
417 <221> NAME/KEY: misc_feature
418 <222> LOCATION: (1)..(30)
419 <223> OTHER INFORMATION: primer
421 <400> SEQUENCE: 9
422 ggcagggtac cccaatccaa ggctcaggta 30
425 <210> SEQ ID NO: 10
426 <211> LENGTH: 30
427 <212> TYPE: DNA

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 01/10/2006
PATENT APPLICATION: US/10/562,735 TIME: 08:54:22

Input Set : A:\2488033-SEQ.txt
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#: 9, 10, 12

VERIFICATION SUMMARY
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Input Set : A:\2488033-SEQ.txt
Output Set: N:\CRF4\01102006\J562735.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date